

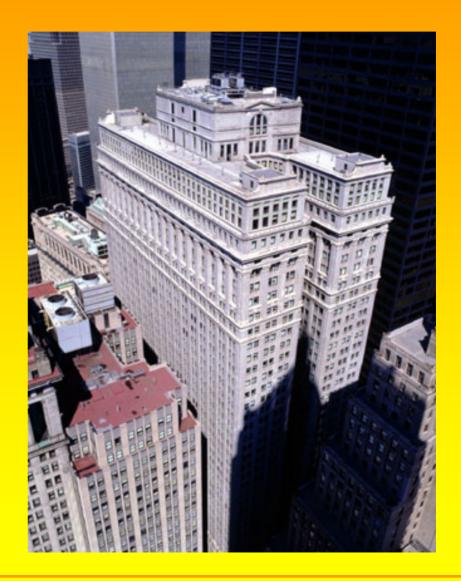
In the City of Charleston

Presentation Contents

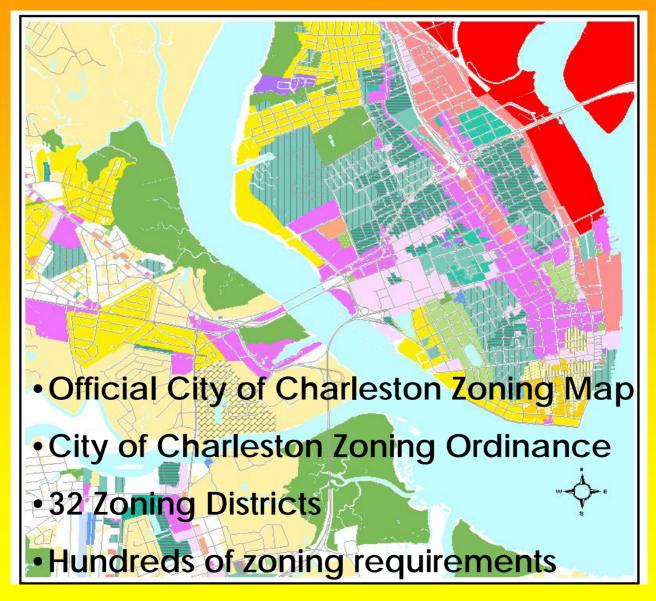
- Brief zoning background
- Zoning what is it?
- Zoning & natural resources
 - Zoning standards that protect
 - Zoning standards that are flawed
 - Suggested zoning standards

ZONING History

- NYC
 - The Equitable
 Building 1915
 - 40 stories
 - 7 acre shadow
 - Public outcry
 - 1916 Zoning Regulation
 - Addressed building height, bulk and setbacks



City of Charleston Zoning



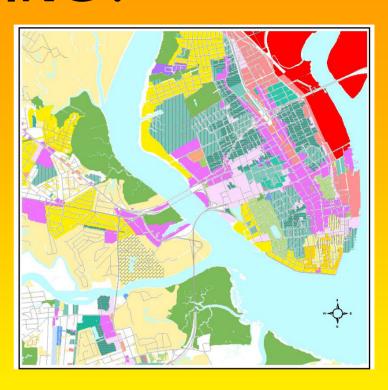
What is **ZONING?**

"Zoning is the division of a community into zones or districts according to present and potential use of properties for the purpose of controlling and directing the use and development of those properties." - Encyclopedia of Urban Planning

What is **ZONING?**

Zoning is the

- **▶ What**
- ▶ Where
- **▶** How
- ▶ When
- And sometimes Why of land use.



Example: Residential Zoning

- ▶ What
- Where
- **▶** How
- When



Example: Residential Zoning

- ▶ What
- Where
- **▶** How
- When
- ▶ Why



Example: Commercial Zoning

▶ What

▶ When

▶ Where

▶ Why

▶ How



Example: Zoning & Natural Resources

- What Standards for buffers, open space, zone districts, tree protection standards
- Where All zone districts, specific locations within developments
- How Ordinance gives direction on how to implement
- When Upon land design and development
- Why Protection of the natural environment and components of it

ZONING & NATURAL RESOURCES

A multiple choice question:

ZONING =

- a. Protection of natural resources
- b. Destruction of natural resources
- c. No impact on natural resources
- d. All the above

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Tree ordinance

- Preservation of grand (24"+dbh) trees and protected (8"+dbh)
- Protective area setbacks
- Impervious setbacks
- Minimum number of trees for commercial properties
- Habitat protection
- Stormwater reduction



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Grand tree (24"+dbh) preservation on residential property



Grand tree (24"+dbh) preservation on residential property

Protected tree (8"+dbh) preservation on commercial property

Critical Line Buffer Ordinance



Prior to the buffer ordinance

Critical Line Buffer Ordinance







After to the buffer ordinance

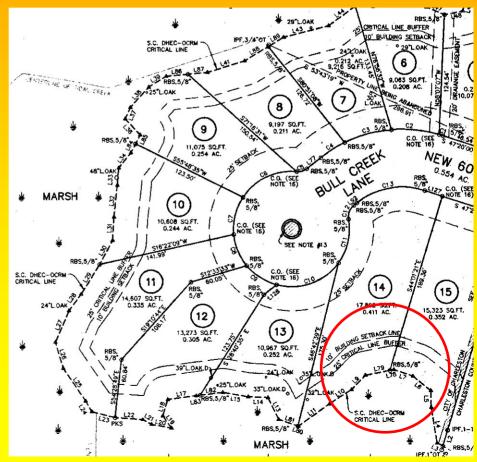
Critical line buffer ordinance

- Water quality stormwater storage and filtration
- Erosion reduction
- Reduction in thermal heating of adjacent water
- Habitat preservation



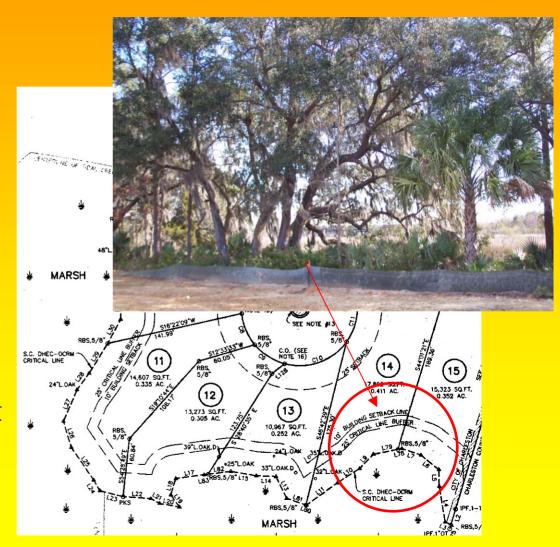
Critical line buffer ordinance

- Buffer adjacent to entire critical line
- Buffer width 25 ft 40 ft
- Building setback from buffer (10 ft)
- Under jurisdiction of City of Charleston
- Applicable to all new developments as of September 12, 2000



Critical line buffer ordinance

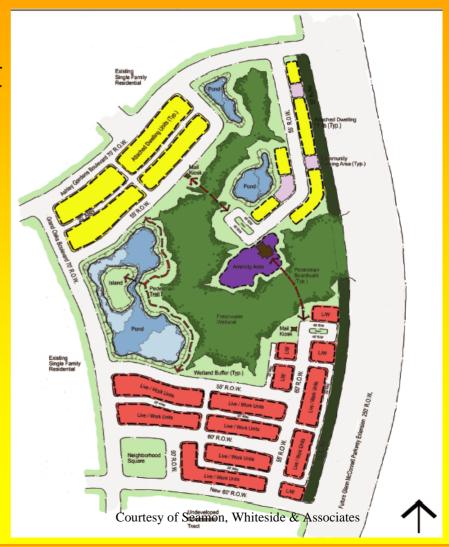
- Prohibited Manicured lawns, removal of protected trees, pruning shrubs below 3ft in height
- Allowed Supplemental native species, water dependent structures, minimum utilities, stormwater management techniques (BMPs)



Planned Unit Development (PUD)

Purpose:

- Provide design flexibility
- Encourage comprehensive planning
- Include open space
- Insure compatibility



Planned Unit Developments (PUDs)

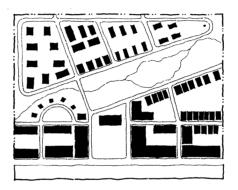
- Flexible lot standards and design
- Clustering ability
- Open space requirement
 - 20% gross land area
- Flexible road standards
- Ability to incorporate mixed use

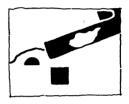


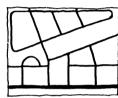
Neighborhood District

- Established guidelines
- Outdoor space requirements
- Flexible street standards
- Flexible lot standards
- Mixed use

The Neighborhood District: Design by public space types

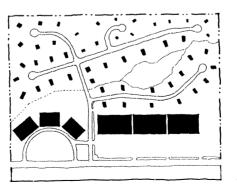






Public outdoor spaces (above left) and street networks (above right) define the structure of the neighborhood.

Conventional Suburban Development: Design by product type



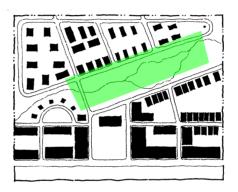
Development is built around single family, multi family, and retail product types, with no emphasis on public outdoor space.

City of Charleston Planning & Neighborhoods

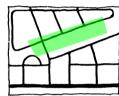
Neighborhood District

- Outdoor space requirements
 - 20% of gross area
 - Open space drives design
 - Various open space types
 - Plazas/squares
 - Parks & greens
 - Greenways
 - Conservation areas

The Neighborhood District: Design by public space types

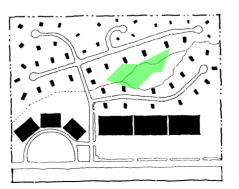






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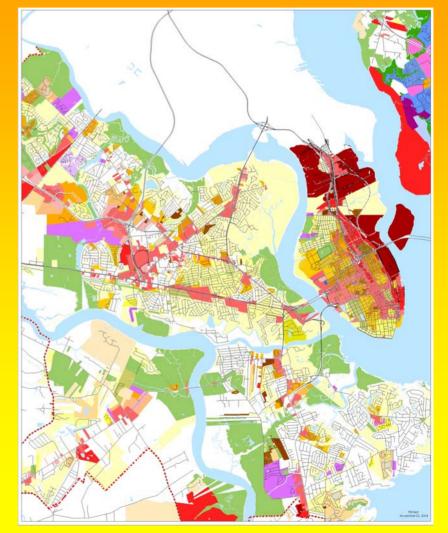


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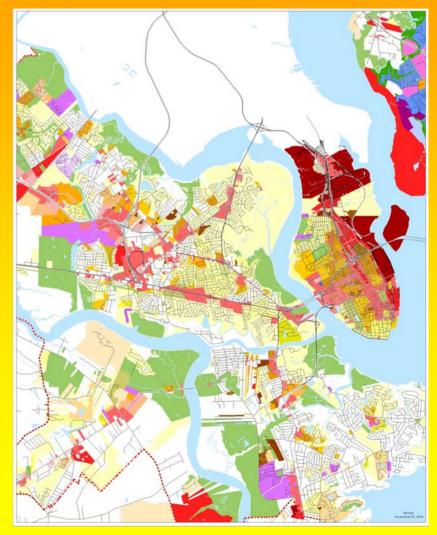
Conservation District

 "A district designed primarily to protect and encourage the appropriate use of marshlands, forested areas, scenic areas, and agricultural areas..."



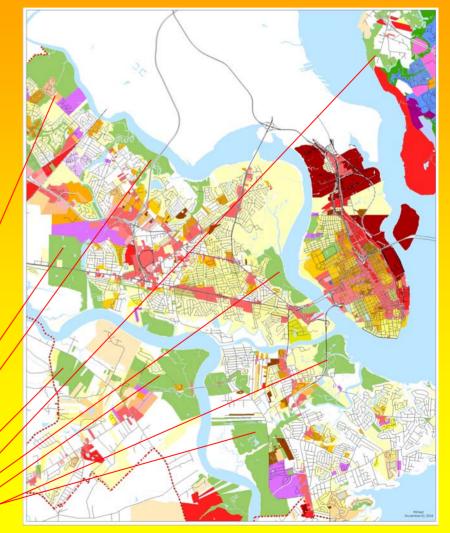
Conservation District

- Rural areas
- Near urban growth boundary (edge)
- Along waterways
- State/National park areas
- Agricultural lands



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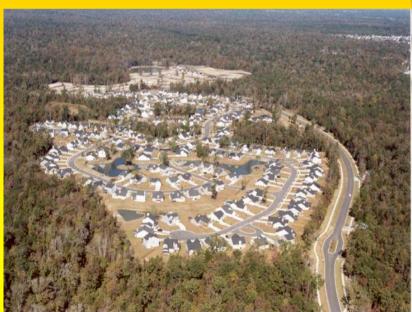


Conservation District

- Tree ordinance
- Density vs. lot standards
- Lot occupancy vs. impervious surface
- Road standards

Tree Ordinance

 Protects the specimen not the surrounding microecosystem





Density

- Need clustering flexibility
- Focus on lot standards limits design flexibility
- Distribute density to preserve natural resources

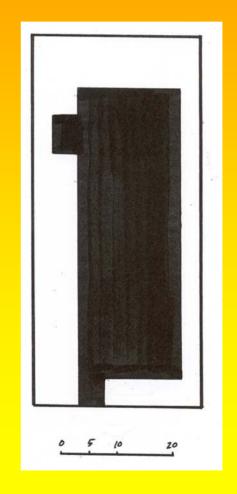


Conventional design

Clustering & preservation of natural area

Lot occupancy vs.
impervious surface
(an issue in environmentally sensitive areas)





Road standards

- Width
- No surface alternatives
- Swales are discouraged



Road standards

- Width
- No surface alternatives
- Swales are discouraged
- Need to coordinate planning & engineering goals



Zoning & Natural Resources: Recommended Zoning Ordinance Amendments

- Freshwater wetland buffers
- Improve open space definition and requirements
- 3. Alternative stormwater management techniques
- 4. Lighting standards
- 5. Improve PUD standards
- Conservation design standards
- Protect existing topography

Zoning & Natural Resources: Recommended Zoning Ordinance Amendments

- 8. Revise road standards
- Require open space/wildlife corridors
- 10. Encourage clustering
- 11. Facilitate Low Impact Development (LID)
- 12. Develop standards that promote new urbanism principles
- 13. Revise subdivision standards
- 14. Better utilize GIS capabilities

QUESTIONS?